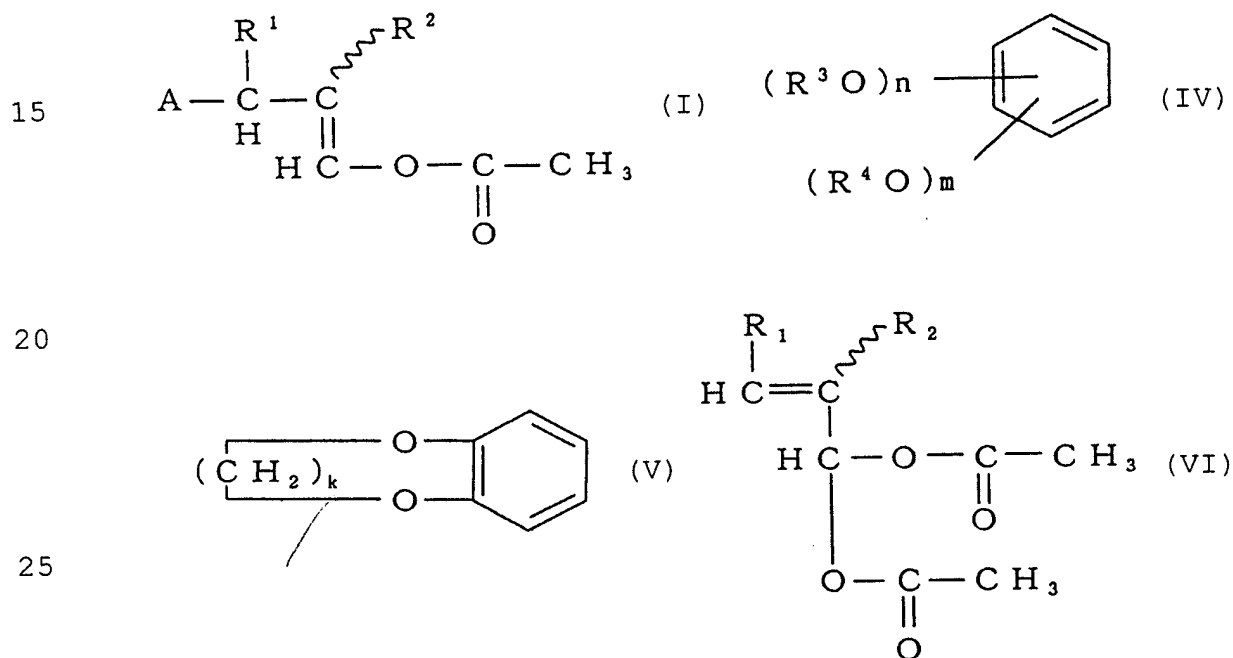


ABSTRACT

The compounds represented by the formula (I) are produced by reacting benzene compound of the formula (IV) or (V) with alkenylidene diacetate of the formula (VI) in the presence of a catalyst comprising one or more members selected from (a) halogenated boron compounds, (b) triflate compounds of Group 11 elements, (c) halogenated compounds of Group 12 elements, and (d) triflate and halogenated compounds of tin and atomic numbers 58 and 66 to 71 elements.



$\text{R}^1, \text{R}^2 = \text{H}$ or C1 - C10 alkyl group

$\text{A} =$ Substituted phenyl group corresponding to a compound of formula (IV) or (V),

$\text{R}^3, \text{R}^4 = \text{H}$ or C1 - C4 alkyl group, $m = 0$ or 1 - 4, $n = 1$ to 5, $k = 1$ or 2.